


An Overview Of CTE Programs in Indiana High Schools



CTE Student Designations

- ▶ **CTE Participant** – A student who has earned one or more credits in any CTE course.
 - ▶ **CTE Concentrator** – A student who has earned at least six credits in courses designated as CTE pathway courses in a state approved College and Career Pathway.
 - ▶ **CTE Completer** – A CTE Concentrator who has completed the logical sequence of courses identified in a pathway plan **and** taken the state specified pathway assessment.
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CTE Programs of Study

Cluster	# of Pathways
Agriculture	3
Architecture and Construction	3
Arts, AV Technology, Communications	2
Business and Marketing	1
Education	1
Health Science	4
Hospitality and Human Services	4
Information Technology	2
Manufacturing and Logistics	5
Public Safety	3
STEM*	1
Transportation	6
Total # of Pathways	35

STEM

Technical and Professional Careers Integrating Science, Technology, Engineering, Math

Science

Pathways
coming in Fall
2014 and
Winter 2015

Technology

Pathways
coming in Fall
2014 and
Winter 2015

Engineering

Average Salary \$57,470
Range \$31K to \$63K

- Introduction to Engineering Design 2 credits
- Principles of Engineering 2 credits

AT LEAST ONE OF THE FOLLOWING

- Civil Engineering and Architecture 2 credits
- Computer Integrated Manufacturing 2 credits
- Digital Electronics 2 credits
- Biotechnical Engineering 2 credits
- Aerospace Engineering 2 credits

CAPSTONE (RECOMMENDED)

- PLTW Engineering Design & Development 2 credits

Mathematics

Pathways
coming in Fall
2014 and
Winter 2015

State Certified STEM Schools

- ▶ The IDOE plans to begin providing an IDOE approved STEM Certification for schools that want to be recognized as STEM
- ▶ Our Goal is to create a STEM school network promoting collaboration of best practices in STEM classes
- ▶ A pilot application period should open in the fall of 2014 with certifications being awarded in spring of 2015



Top CTE Pathway Programs Offered Throughout the State 2012 – 2013 by District Participation

CTE Pathway Programs	Total Number of Districts Offering Programs Out of all 48 Indiana CTE Districts
Automotive Services Technology	38
Comprehensive Health Science	36
Construction Trades	34
Cosmetology	30
Culinary Arts	29
Welding	29
Early Childhood Education	27
Auto Collision Repair	26
Machine Trades Technology	25
Engineering and Project Lead the Way	24
Graphic Arts	24

Top 5 CTE Program Enrollments by Career Cluster

2012–2013

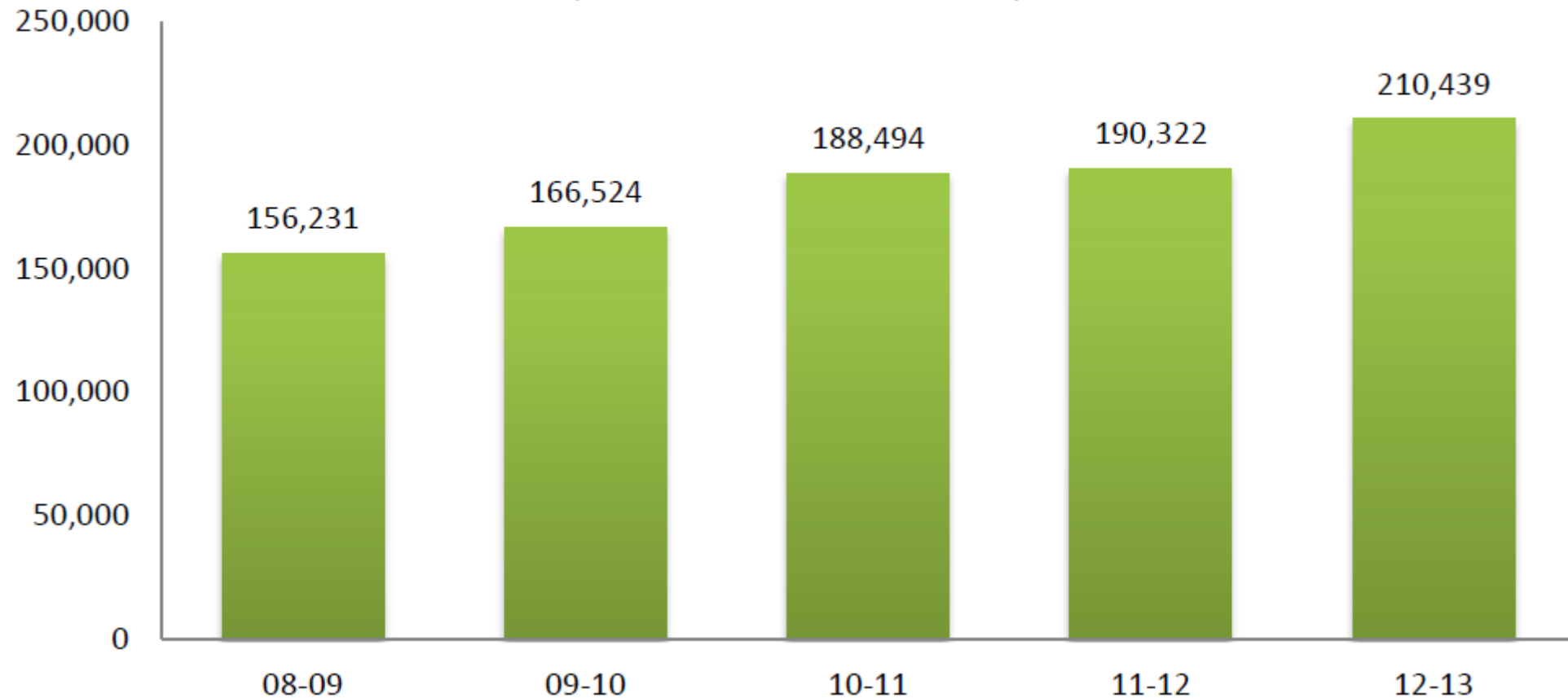
Rank	Career Cluster	Enrollment
1	Health Services	44,854
2	Educational Services	32,931
3	Agriculture, Food and Natural Resources	26,235
4	Human Services	20,053
5	STEM	17,427

CTE Enrollment

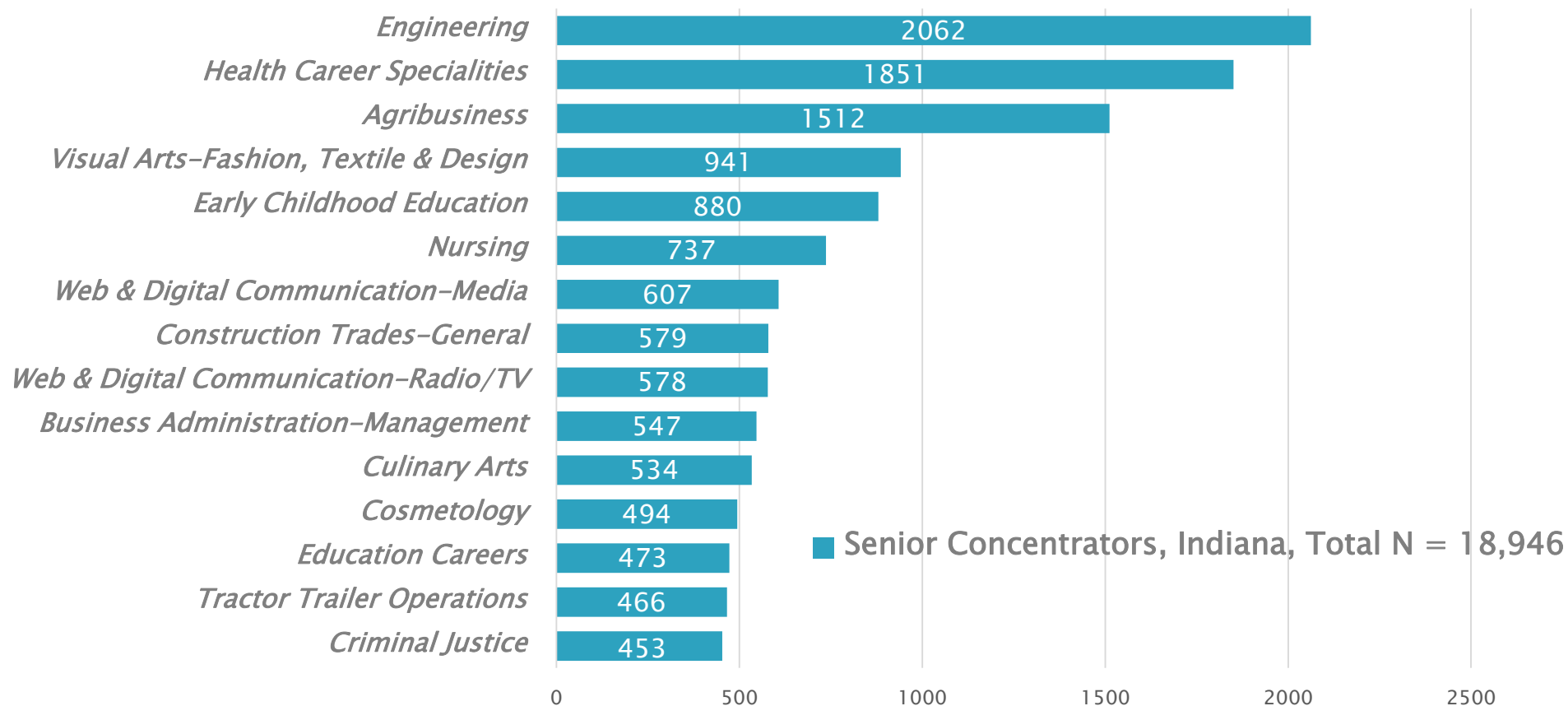
- ▶ During the 2012–2013 school year 210,439 out of 316,108 (66.6%) students in grades 9–12 were enrolled in a

Indiana CTE Enrollment Trends

(Enrollment in at least 1 CTE Course)

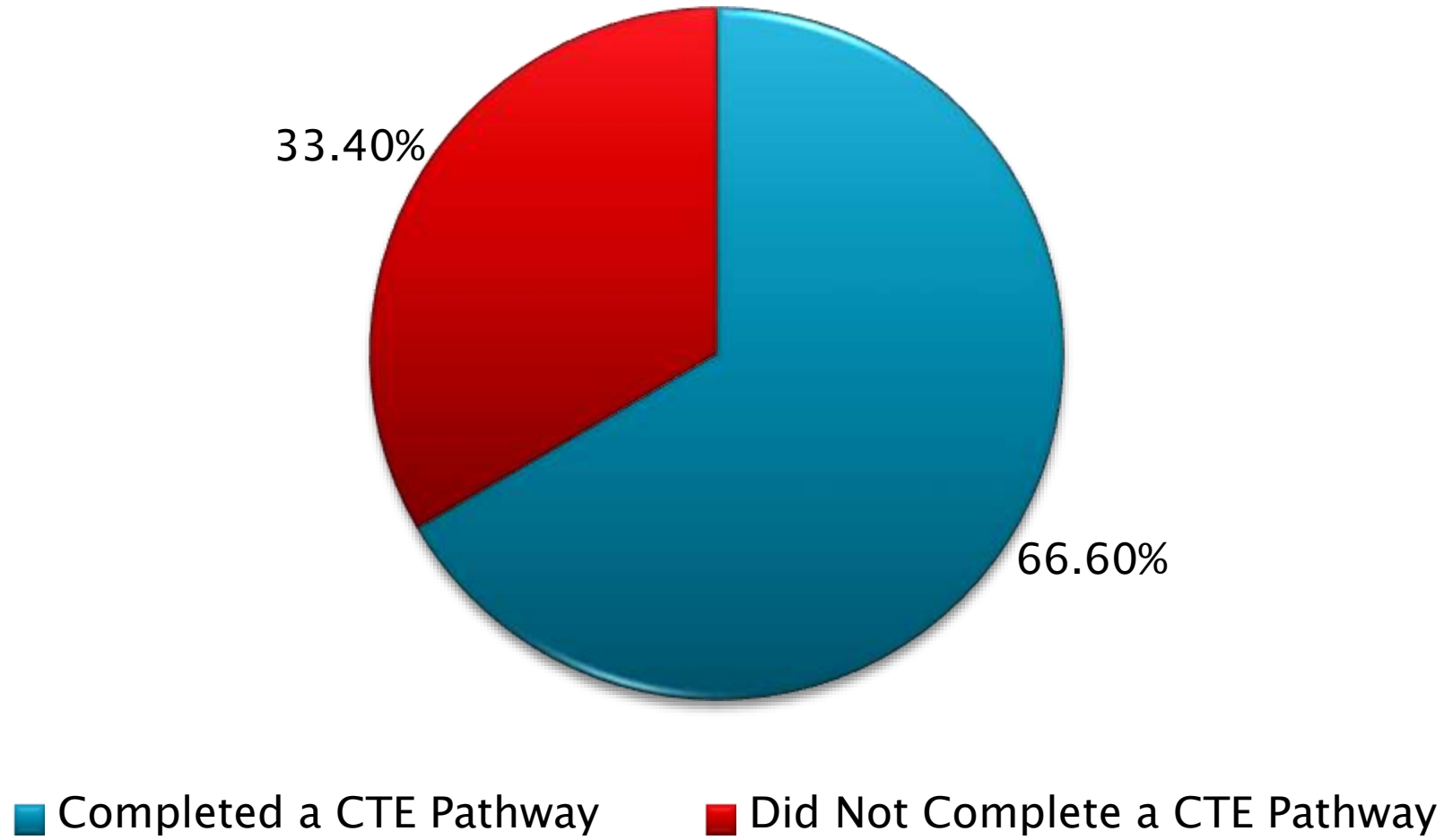


INDIANA'S TOP 15 CTE CAREER PATHWAYS BY NUMBER OF GRADUATING SENIOR CONCENTRATORS, 2013

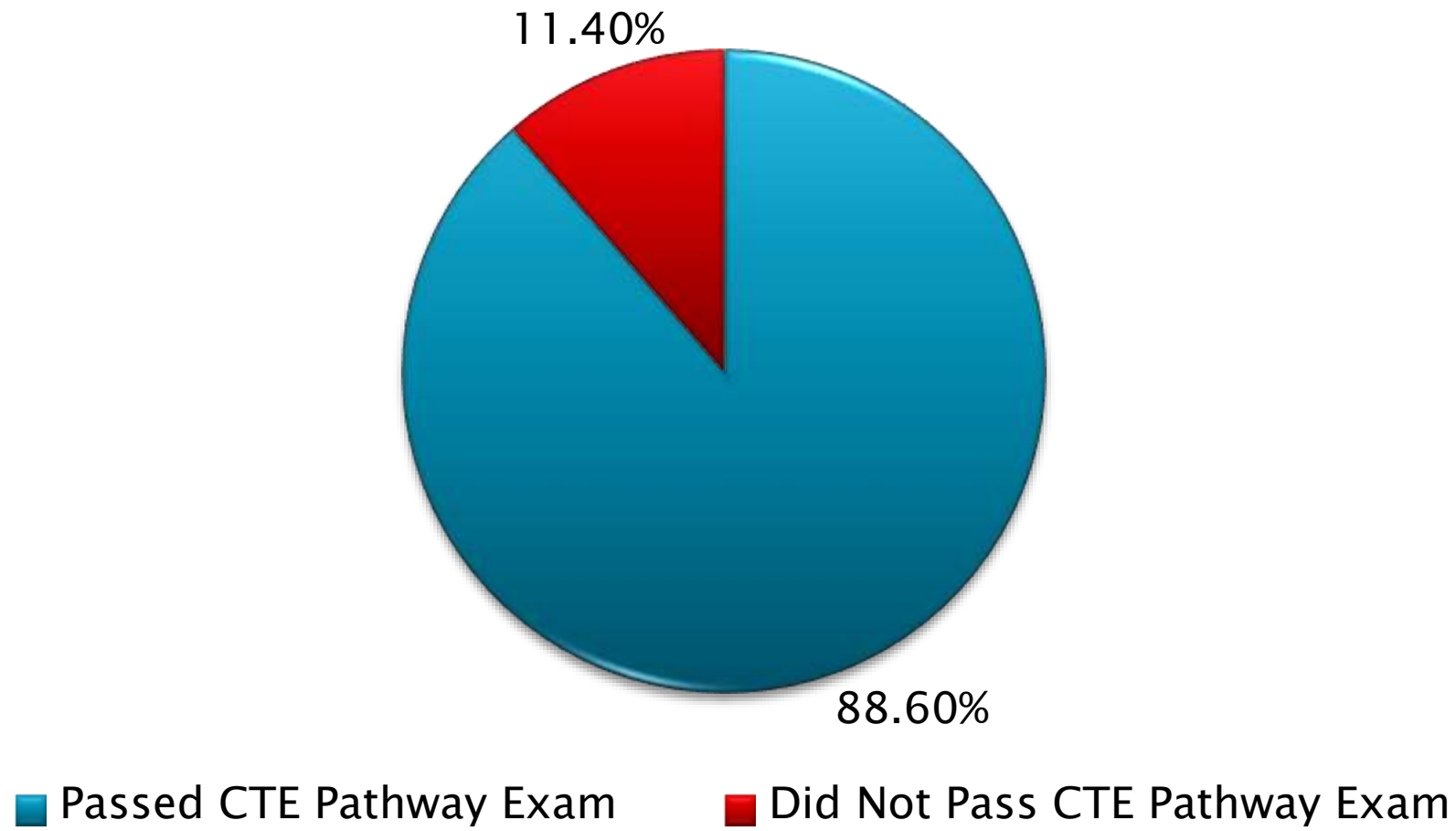


Source: Indiana Department of Workforce Development. Data Provided. 2014 *Chart does not include 'Unspecified Pathway' concentrators.

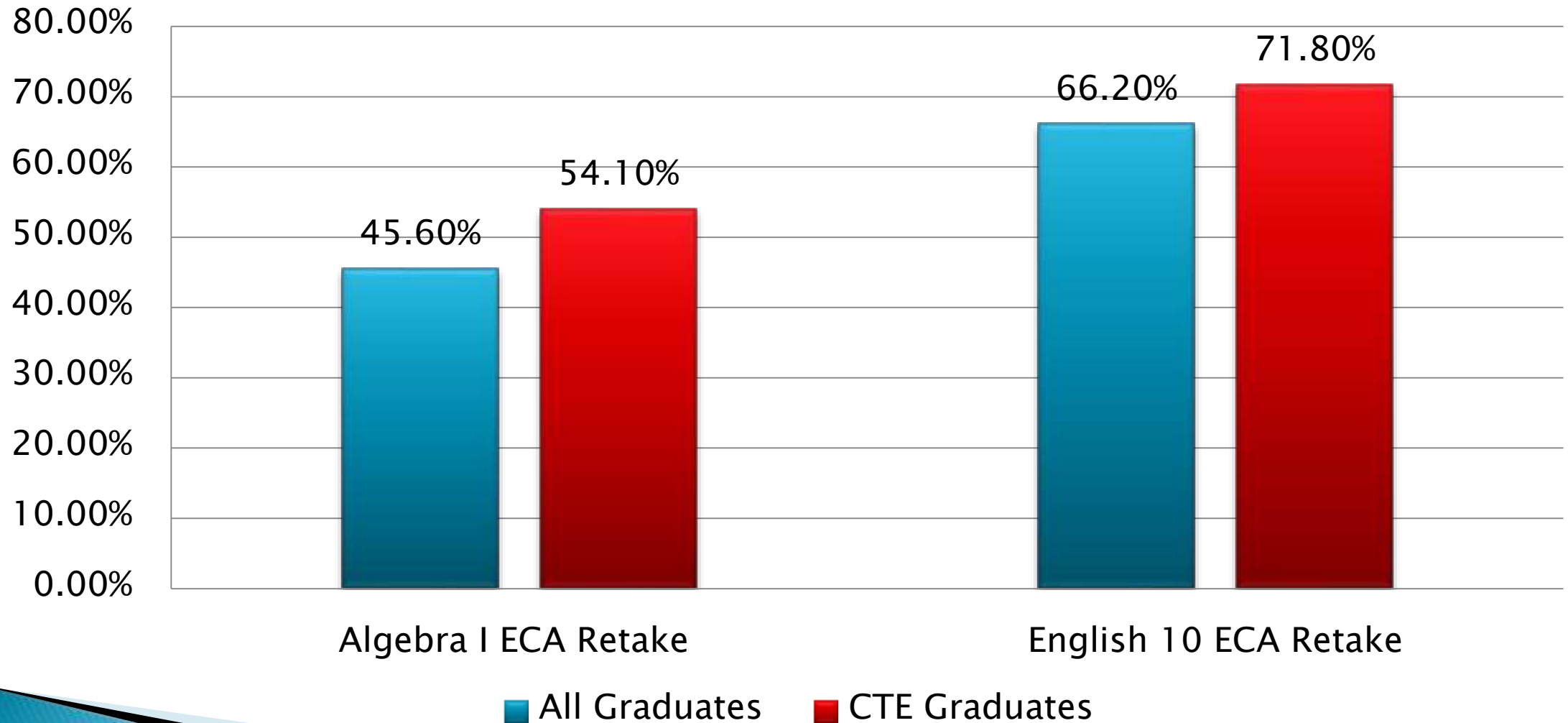
CTE Pathway Completion 2012-2013



CTE Pathway Exam Passer Rates 2012-2013

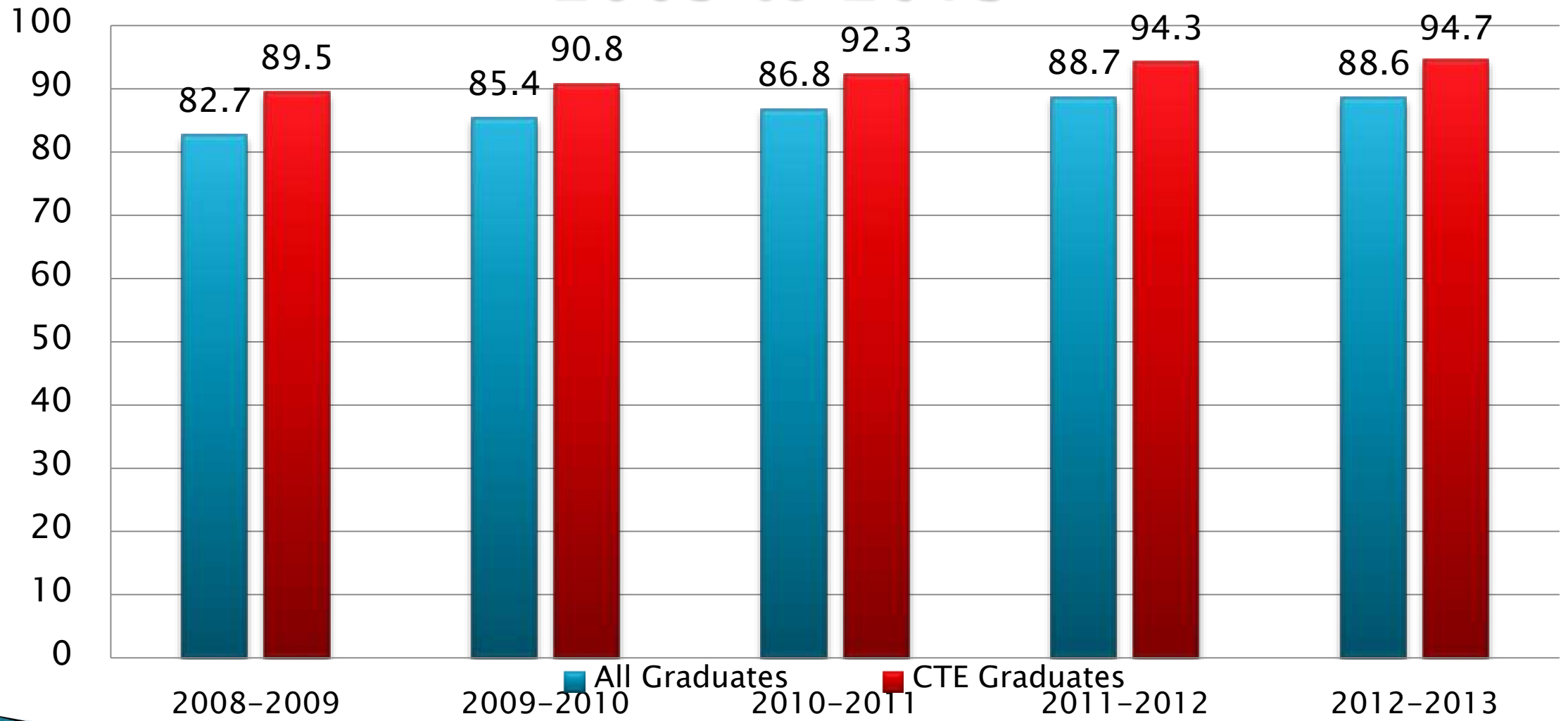


CTE Senior ECA Retake Passer Rates 2012-2013



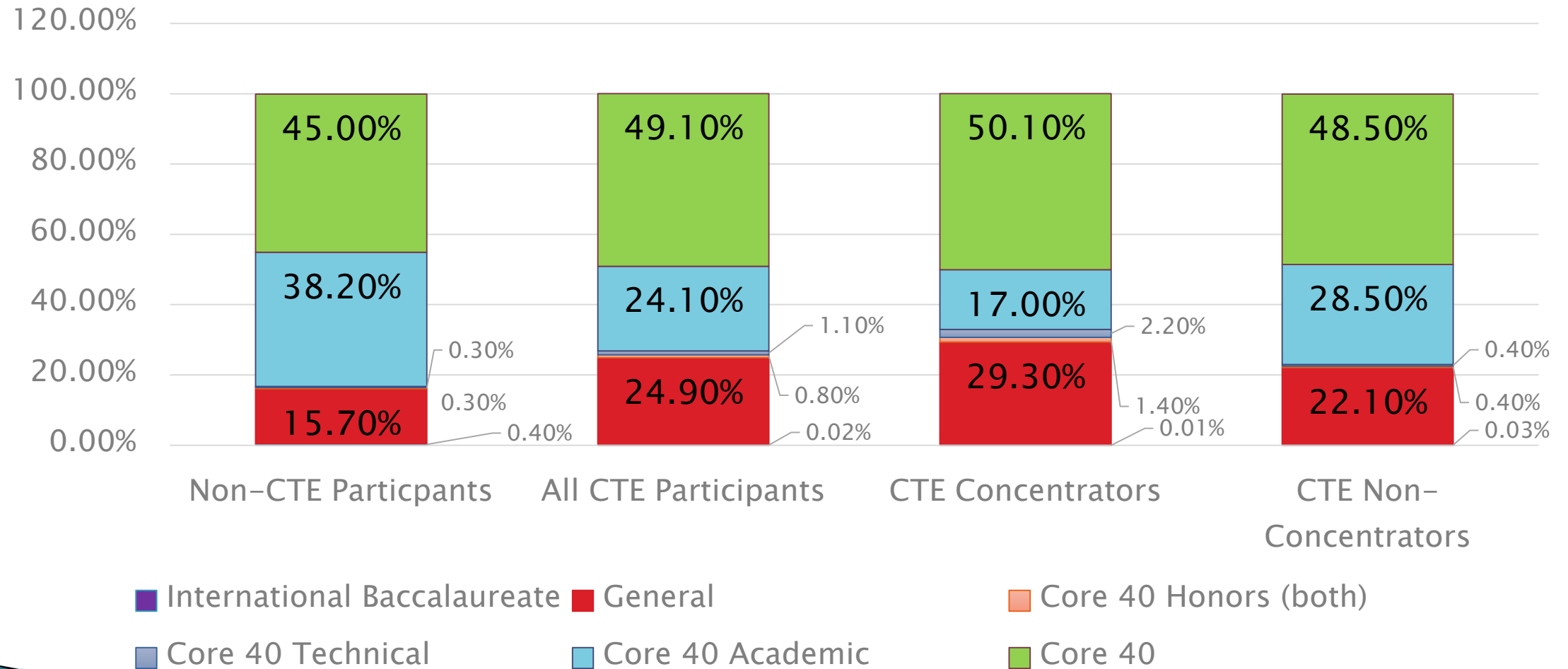
*CTE graduates are CTE Concentrators

Graduation Rate Trends 2009 to 2013

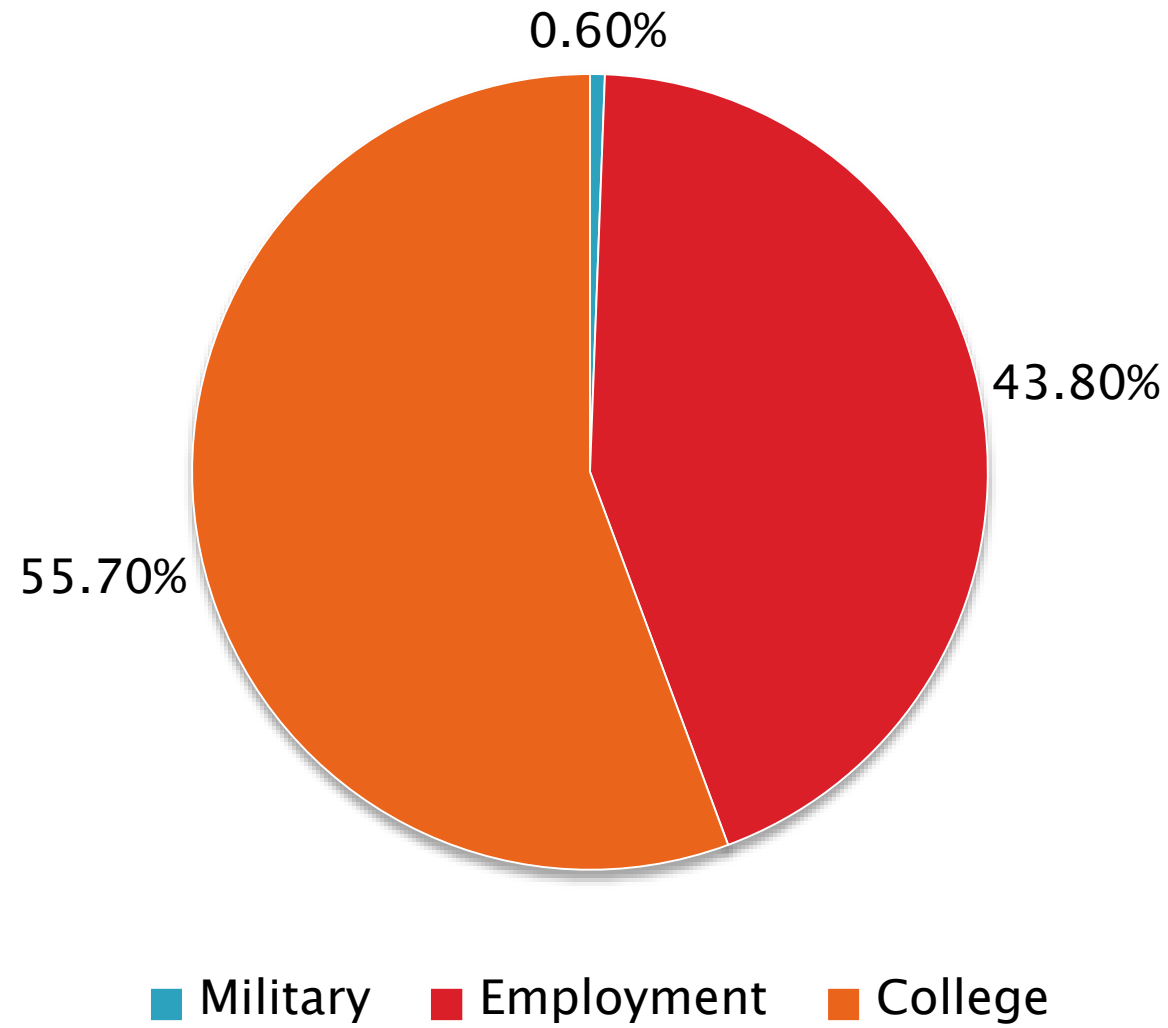


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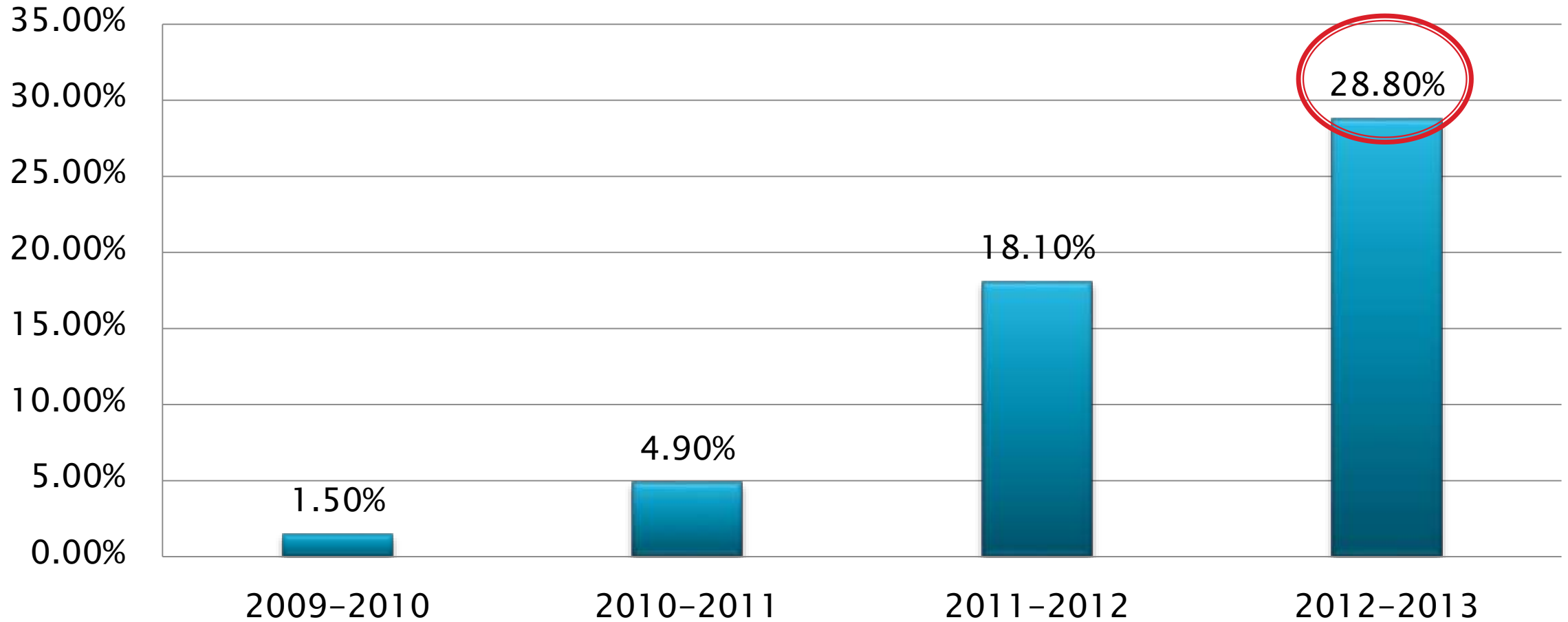
Distribution of Diploma Types 2007–2008 through 2012–2013



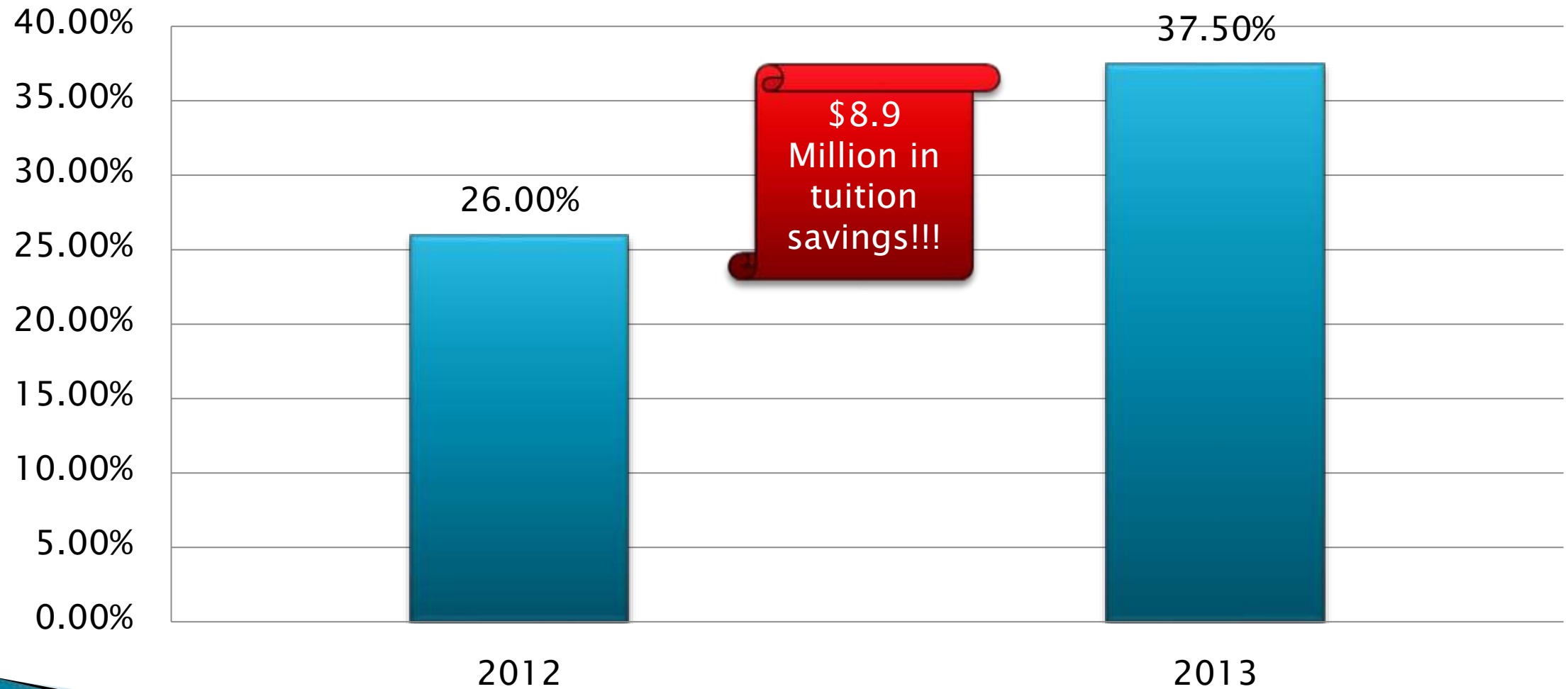
CTE Graduates Post Secondary Paths



CTE Graduates with an Industry-Recognized Certificate

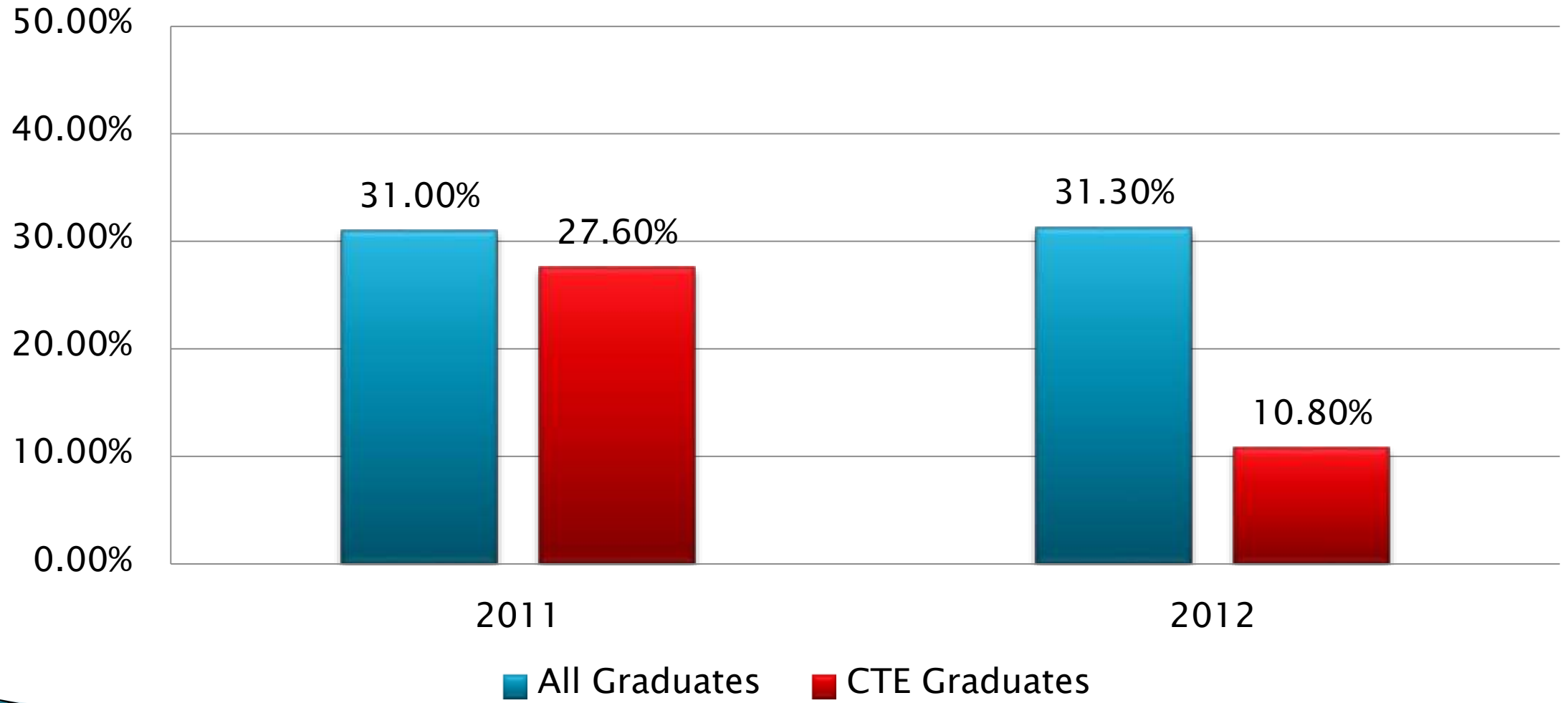


CTE Graduates Earning College Credit in High School



25,594 students earned college credit in 2012–2013

First Year College Remediation Rates



Post Secondary Completion Reported 2007–2008 and 2008–2009 Cohorts

